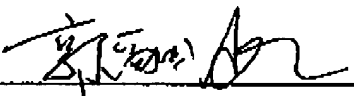


EXHIBIT E

Translation Verification Statement

Re: International Patent Application No. PCT/CN02/00128, Filed 28 February 2002

"I, GUO Rongbing, of No. 8, Yusha Road, Chengdu, Sichuan, 610017 P.R. China, hereby declare that I am conversant with the Chinese and the English languages and that I am the translator of the documents attached and certify that to the best of my knowledge and belief the abstracts in English of Chinese patents and literatures are a true and correct translation to their originals.


(signature)

Signed by 郭融冰 GUO Rongbing
(printed name)

Date: 2003-9-29

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专利号: 98114663.5 授权公告号: CN 1062565C

重组人 α 型复合干扰素及其制备方法和用途

Preparation method and application of recombinant human consensus interferon- α

Abstract:

The present invention relates to preparation method and application of recombinant human consensus interferon- α (INF- α F). The universal formula of INF- α F is " Arg²² Ala⁷⁶ Asp⁷⁸ Glu⁷⁹ Tyr⁸⁶ Tyr⁹⁰ Leu⁹⁶ Thr¹⁵⁶ Asn¹⁵⁷ ". The site 158th was designed as Val which peculiar to the HAN nationality in China. The INF- α F can used in treatment of diseases like hepatitis B, hepatitis C etc. Comparing with present interferon, INF- α F has the characteristics of higher activity and rate of virus elimination, lower side-effect and especially suite for treatment for yellow race.

[19] 中华人民共和国国家知识产权局

[51] Int. Cl.

C07K 14/56

C12N 15/10

[12] 发明专利说明书

[21] ZL 专利号 98114663.5

[45] 授权公告日 2001 年 2 月 28 日

[11] 授权公告号 CN 1062565C

[22] 申请日 1998.6.29 [24] 颁证日 2001.1.13

[21] 申请号 98114663.5

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<< 自然科学进展 >> 1992, 第 2 期 1992.1.1 孟枫等, 一种型干扰素基因新型中的发现鉴定表达及表达产物的纯化

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[54] 发明名称 重组人 α 型复合干扰素及其制备方法和用途

[57] 摘要

本发明涉及一种重组人 α 型复合干扰素及其制备方法和用途, 人 α 型复合干扰素通过人 α 型复合干扰基因的人工构建, 并由含其 DNA 序列表达载体的宿主细胞经发酵及纯化处理而制得, 其通式为 (Arg²² Ala⁷⁶ Asp⁷⁸ Glu⁷⁹ Tyr⁸⁵ Tyr⁸⁶ Leu⁹⁵ Thr¹³⁶ Asn¹⁵⁷ Val¹⁵⁸) INF- α F。其中第 158 位设计成中国汉族人特有的 Val 密码子。本发明的药物用于乙型肝炎、丙型肝炎等病毒性疾病的治疗。与现有 α 干扰素基因工程药物相比, 具有活性更高、副反应更小、病毒清除率更高、更适合于黄种人治疗等特点。

ISSN 1008-4274

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